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I USE

This sealer is suitable for sealing all kinds of plastic films, which is widely used in fields of food, medicine, chemicals, daily use and vegetable seeds etc. It is the best sealing equipment for packing batch products from factories and shops.

II. Safety Instructions

1. Make sure that the adopted power supply is correct (the machine adopts AC 220V/50HZ. The wire whose color alternating between yellow and green is leakage protection ground wire, which can not be removed. The power line should be prevented from pressing, please tidy away when it is not in use.
2. After power being connected, do not touch any electric device.
3. When machine is operating, do not touch any transmission parts, which may cause injury.
4. When machine is operating, do not touch both heating blocks and ink roller heating block.
5. Do not operate the machine in corrosive environment.
6. Do not change any parts of the machine at discretion.
7. Keep the machine clean both inside and outside, and clear dirt from sealing belt in time.
8. Fill and exchange oil in worm-gear box regularly. Meanwhile, remember to oil the gear and sprocket (YP7408 semiliquid gear oil).
9. Cut off the power supply when the machine is not in use.
10. Keep this operation manual with care for easy reference.

III. Specifications

Model	FRM-980I	FRM-980II	FRM-980III	FRMQ-980C	FRQ-980C
Parameter	solid-ink coding continuous band sealer	solid-ink coding continuous band sealer	solid-ink coding continuous band sealer	solid-ink coding continuous aerating band sealer	continuous aerating band sealer
Voltage	AC 220V/50 110V/60				
Motor power	50□0-24m/min 100W□			185W	
Sealing power	300x2□W□			220x2(W)	300x2(W)
Printing power	40x2□W□				
Sealing speed	0~16□m/min□			0~12□m/min□	
Sealing width	8、10□mm□				

Temperature control range	0~300℃□□Stepless adjustable□				
Distance from sealing center to conveyor table	10~40□mm□	200~320□mm□	10~40□mm□	10~40□mm□	10~40□mm□
Film thickness (monolayer)	≤0.08 mm				
Conveyor loading for single package	≤1 Kg				
Overall loading of conveyor	≤3 Kg				
Dimension (LXWXH)	950×400×430 (mm)	950×400×640 (mm)	950×550×950 (mm)	950×550×950 (mm)	950×550×950 (mm)
Weight	45Kg	50Kg	52Kg	62Kg	58Kg

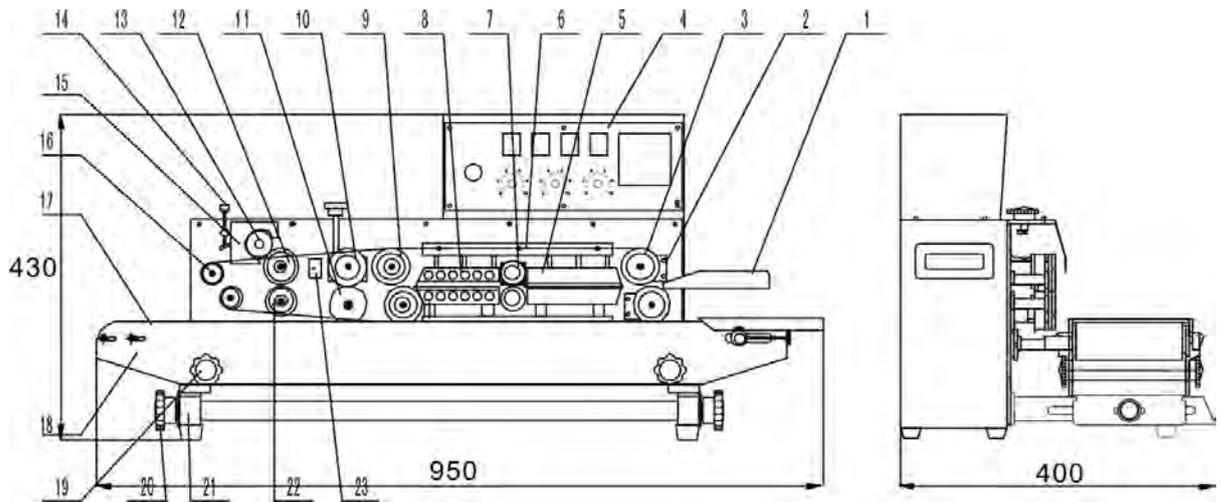
IV Performance Features

This sealer, adopting electronic thermostat control unit and stepless speed-adjusting transmission mechanism, can seal various plastic film bags in different materials and can also be equipped with varied packaging production lines. The machine has no limitation on sealing length, characterized by high efficiency in continuous sealing, reliable sealing quality, rational structure and convenient operation etc.

Through adopting solid-ink roller printing mechanism, the machine can print desired colored label on bag while sealing, with the characteristics of high definition, instant print and instant dry, and strong adhesion. For types in R arrange, the machine can print two lines in font size two (18PT) and three lines in font size five (10.5PT), and 20 types can be arranged in each line. Special order for T arrange or multi-line types is available.

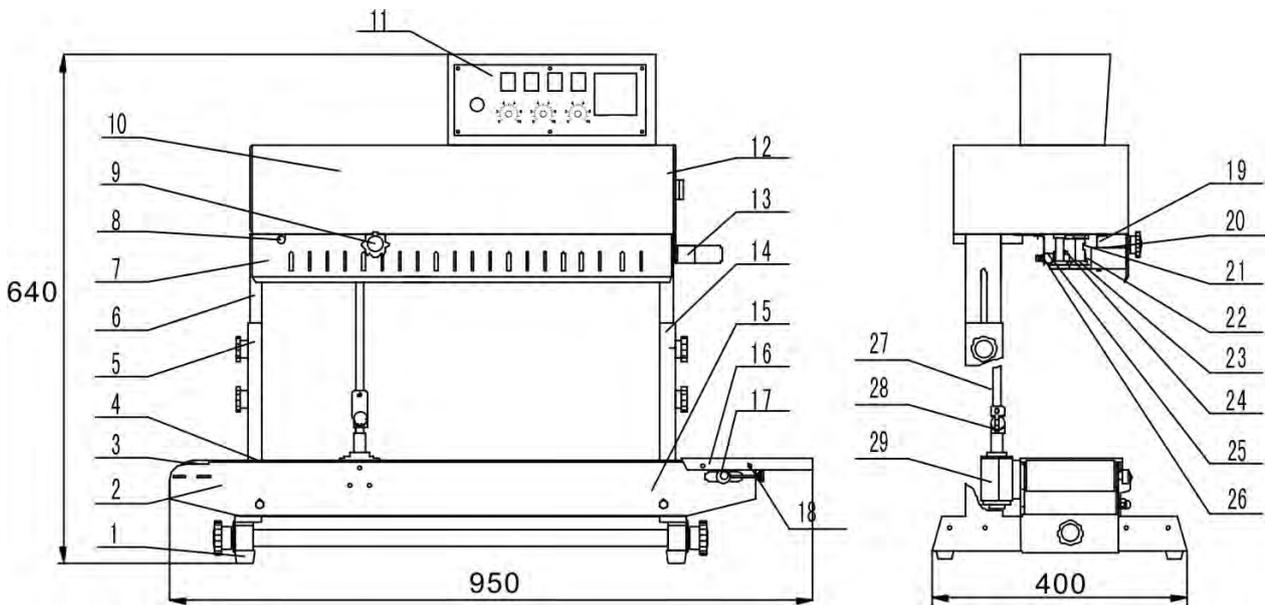
V Structure & Working Principle

This machine is made up of rack, speed-adjusting mechanism, sealing temperature control system, transmission and conveying system and printing device etc. (see diagram 1)



FRM-980 I

1. feed opening; 2. adjusting block for driven wheel; 3. driven wheel; 4. control cabinet;
5. heating block; 6. sealing belt; 7. pressing wheel; 8. cooling block; 9. driving wheel; 10. embossing wheel; 11. silicone wheel for embossing; 12. printing wheel; 13. solid ink roller; 14. adjusting screw for ink roller swing pole; 15. heating block of ink roller; 16. guiding wheel; 17. conveyor belt; 18. conveyor table; 19. fastening knob for lifting conveyor table; 20. tightening knob for horizontal conveyor-adjusting; 21. ledge; 22. silicone wheel; 23. sensor



FRM-980 II

1. under-chassis; 2. conveyor table; 3. driving roller; 4. conveyor belt; 5. fixed bracket; 6. slip bracket; 7. safety cover; 8. adjusting knob for ink roller swing pole; 9. adjusting knob for embossing wheel; 10. housing case; 11. control cabinet; 12. air-break switch; 13. feed opening; 14. fastening knob; 15. fastening nut; 16. worktable; 17. driven roller; 18. adjusting knob for conveyor belt; 19. upper holding plate; 20. heating block of ink roller; 21. guiding wheel shaft; 22. guiding

wheel; 23. guiding belt; 24. heating block; 25. lower holding plate; 26. sealing belt; 27. vertical shaft; 28. gimbal assembly; 29. bevel gear assembly

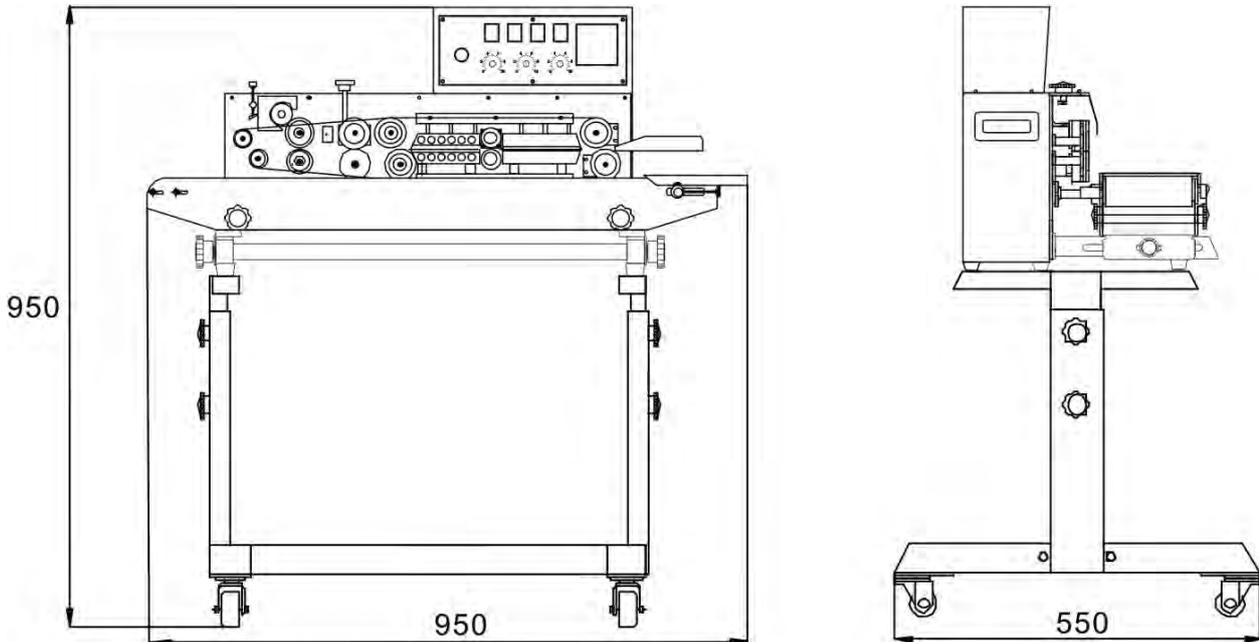


Diagram 1

1.caster 2. aerating device 3. aerating pipe 4. fixed bracket 5. fastening knob 6. slip bracket 7.fastening knob 8.conveyor table 9. driving roller 10. conveyor belt 11.guiding wheel 12. guiding belt 13. embossing wheel 14 adjusting knob for embossing 15. silicone wheel 16. driving wheel 17. cooling block 18. heating block 19. left guiding plate 20. splint 21. charging connector 22. guiding plate 23. sealing belt 24. driven wheel seat 25. driven wheel 26. feed opening 27. worktable 28. adjusting knob for conveyor belt 29. driven roller 30. control cabinet 31. round nut 32. connecting shaft 33. driving shaft

After power supply being connected, electrothermal elements start to produce heat, which leads to rapid temperature rise of both upper and lower heating blocks. Required temperature and speed can be got through adjusting temperature controller and speed-adjusting mechanism. The plastic packing bag will be transmitted by conveying belt, and its sealing part will be conveyed into the clearance between two sealing belts, then the sealing part will be clamped by two sealing belts and conveyed into the heating area. Sealing part is pressed by two heating blocks and pressing wheels there, which could make the plastic film fuse and stick together, After this, the sealing part will be conveyed into the cooling area for cooling, and then to be pressed by embossing wheel for making stripe or netted pattern, at last, colored label on the sealing part will be coded by printing wheel.

The transmission of sealing and printing is started by motor, which drives sealing belts, guiding belts and conveyor belt to work synchronously, as well as make printing mechanism work intermittently.

VI Operation Instruction

1. Control panel (see Diagram 2)

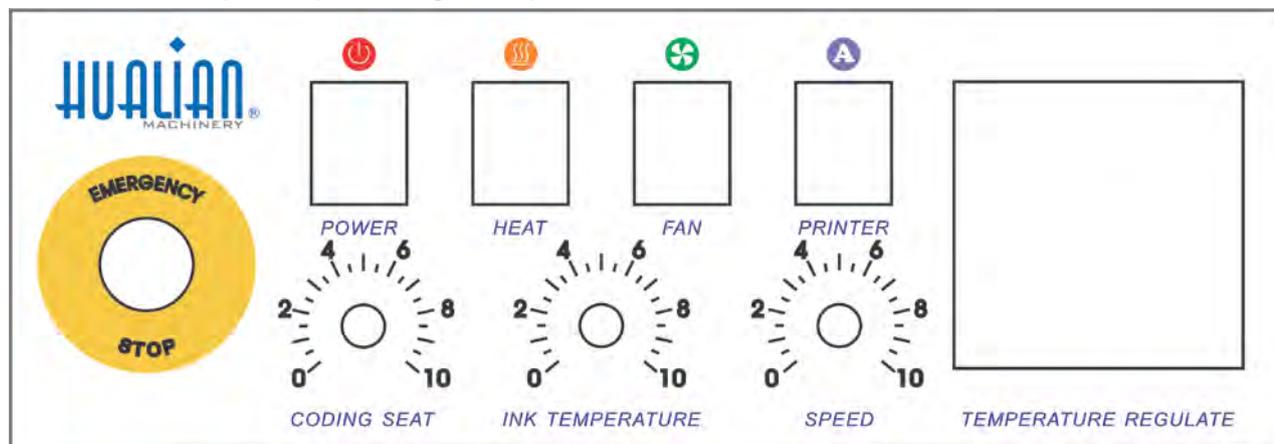
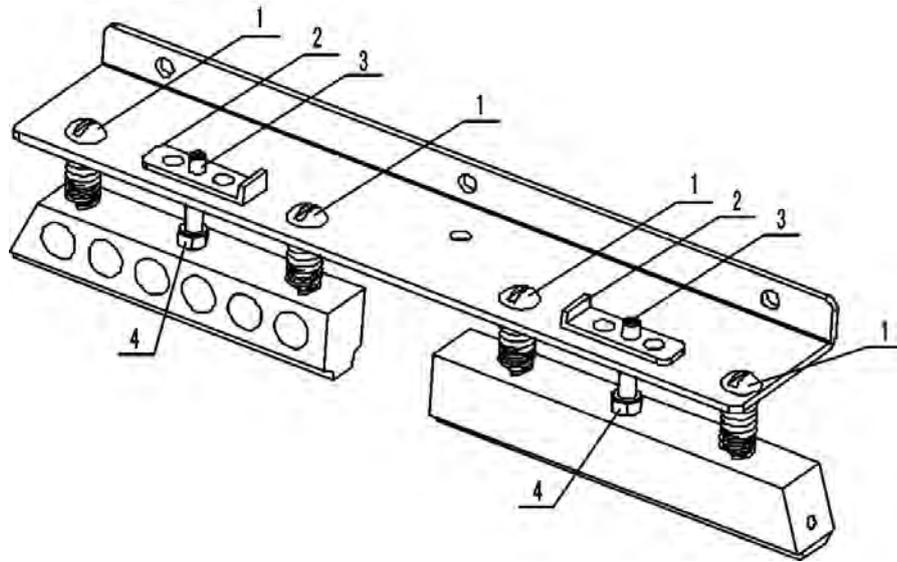


Diagram 2

2. Prepare the machine for use

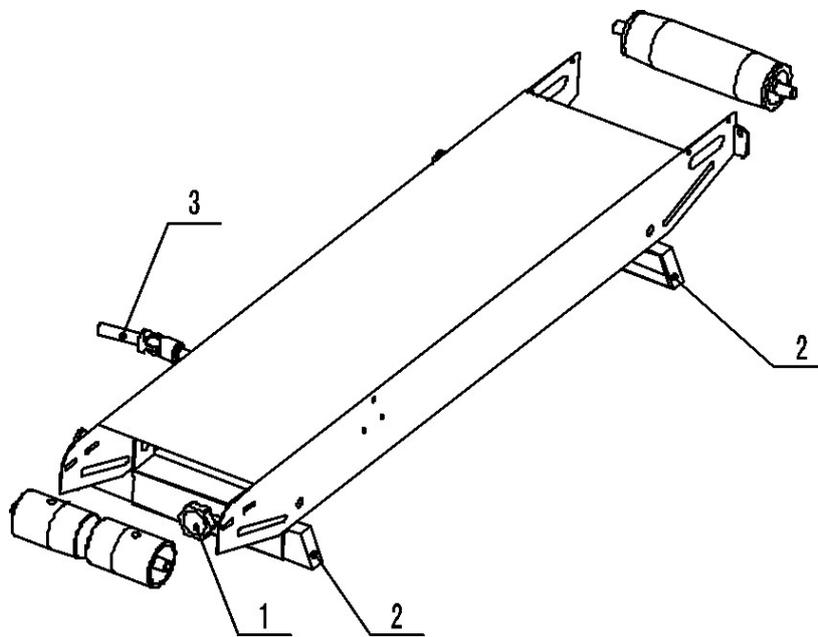
- 1), This machine is equipped with three crust grounded socket, please check if it is well connected so as to ensure safe operation.
- 2), First-time use or too long intermission will make the electronic heating elements moistened, so several minutes' low-temperature preheating is necessary before the normal operation.
- 3), Adjust the conveyor table's height and horizontal location to get required sealing position.
- 4), According to the external size from sealing line to bag opening, regulate the position of feed opening.
- 5), According to the thickness of material that to be sealed, adjust the clearance between heating blocks and cooling blocks. Adjust the clearance between two sealing belts by adjusting the stopping flakes, specifically, turn the stopping flake clockwise to raise block or counterclockwise to lower block. The clearance between two sealing belts should be equal to the thickness of packing bag in one layer approximately, which must guarantee the firmness of sealing and high definition of embossing, and ensure suitable length extended from two ends of sealing part. After making adjustment, fix the limiting screws. (see diagram 3)



1. screw 2. stopping flake 3. fastening screw 4. nut

Diagram 3

6), The transverse adjustment of conveyor table: loosen two nuts (1) on two sides. There are three location holes on the foot rest (2). Just insert square head bolts into them as needed, then fasten. After moving the conveyor table outward, please install the connecting shaft (3) saved in the spare parts kit into gimbal. (see diagram 4)



1. adjusting knob 2. foot rest 3. gimbal

Diagram 4

3. Starting procedure

- 1), Connect the power supply and start switch, indicating light will light, then adjust the speed-adjusting knob and all transmission parts start to run synchronously.
 - 2), Micro-adjust the knob of embossing wheel to make that wheel swivel, after getting a proper pressure, fix limiting screw.
 - 3), Once turn the heating switch on, the green light of the electronic temperature controller will light. According to the material and thickness of the packing bag, adjust the temperature controller to the temperature required, then set the position of heating knob of ink roller. Once the heating blocks and ink roller heating block begin to preheat, Once the heating blocks and ink roller heating block begin to preheat, the machine needs to be started meanwhile and kept running at low speed.
 - 4), That whether it is necessary to turn on the fan for cooling depends on the material and thickness of packing bag.
 - 5), Flatten and align sealing opening, then deliver the bag by aligning the bag opening with the feed opening, when the bag opening is gripped by the sealing belts, which makes the bag move forward automatically, at that moment, please do not push it in or pull it out by force, otherwise irregular sealing or breakdown will happen.
- 4, If it is found that there is dirt attached to the sealing belt or the heating block, you need to stop the sealer and clear it.

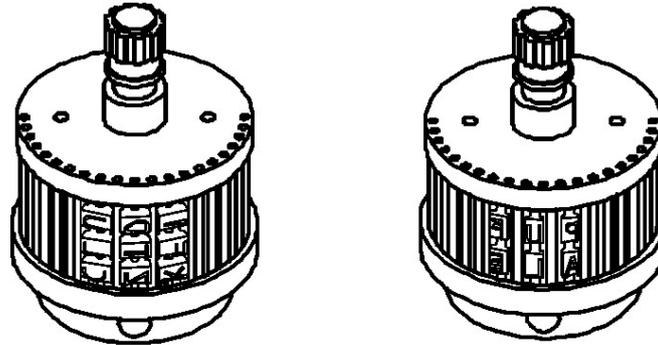
5, Ways of exchanging and adjusting the sealing belt

- 1), Remove the safety cover, turn stopping flaps on both upper heating block and upper cooling block by 30° to lift these two blocks after the heating block being cooled, then loosen the springs both on embossing wheel and pressing wheel, then remove the guiding belt, so as to make it ready for removing sealing belts. (see diagram 3)
- 2), Move the driven wheel seat (adjusting block) toward heating block, and remove the sealing belt then.
- 3), Replace with a new sealing belt and install the guiding belt back.
- 4), Put the driven wheel, heating and cooling blocks, and pressing wheel etc to the original position.
- 5), Connect the power supply and test the machine, if irregular sealing appears on the belt, you can make adjustment through adjusting screws on driven wheel seat (adjusting block).
- 6), Install the safety cover. Once the temperature reaches the set temperature, the

machine is ready for continuous working.

6, The selection of the type arranging way:

The types in longitude arrange belongs R arrange, while types in axial arrange belong T arrange. (see diagram 5)



T arrange

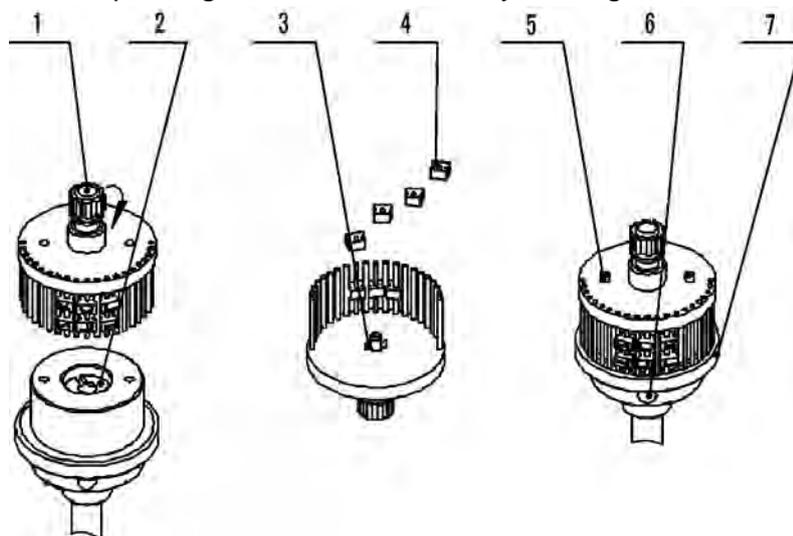
R arrange

Diagram 5

8, The adjustment of ink roller, printing wheel and silicone wheel

1), Exchanging words on printing wheel(see Diagram 6):

Rotate the holding latch on the printing wheel cover by an angle to take the traverse pin out of the groove, the printing wheel cover will bounce by itself and types can be exchanged after removing its cover, then press the silicone bar on it and install printing wheel cover. At last, insert the traverse pin into the groove on the end cover of printing wheel, and rotate by an angle for fastening.

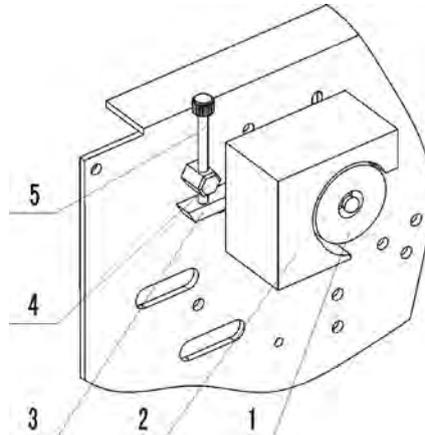


1. holding latch
2. end cover of printing wheel shaft
3. traverse pin
4. type
5. fixed pin
6. fastening screw for printing wheel
7. printing wheel

Diagram 6

2), The adjustment of the clearance between ink roller and types:

Adjust the adjusting screw (5) for the ink roller's swing pole, rotate the printing wheel, and make the types' surface touch the ink roller's (1) surface slightly. When you use your hand to touch printing wheel, if the ink roller can be easily be driven, it should be ok. (see diagram 7)

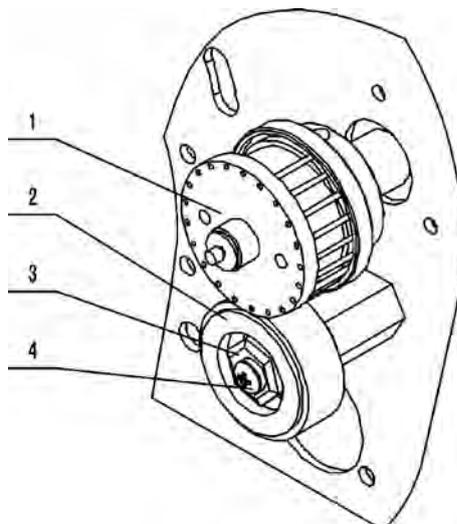


1. ink roller 2. heating block of ink roller 3. swing pole 4.adjusting strut 5. adjusting screw

Diagram 7

3), Adjustment of the pressure between printing wheel and silicone wheel:

When printing work is not in process, the types on the printing wheel must not touch the silicone wheel, and they only touch each other when printing work is in process. Loosen the screw (4) in the front of the silicone wheel, then rotate the eccentric sleeve (3), so as to make the types' surface slightly touch the silicone wheel's (2) surface. If the machine is used to print relatively thicker packing bag, the screw should be loosened accordingly as the pressure can't be too much, fasten the screw after making adjustment.(see Diagram 8)



1. printing wheel 2.silicone wheel 3. eccentric sleeve 4.screw

Diagram 8

4), Temperature adjustment for printing wheel and ink roller:

All the knobs of this machine are set to 0 position before leaving factory, users need to make adjustment by themselves. For a new ink roller, during previous time of use, the temperature should be relatively lower, after a period time of use, the temperature can be raised to higher degree, which can make the deep-seated ink ooze and prolong the ink roller's life-span. When the ink roller reaches the working temperature, you can use a piece of white paper to touch ink surface, as long as it can stick a little ink, it should be ok. The temperature can't be too high or too low.

The ink roller that suits for this machine specified in following table, including colors of white, yellow, red, blue, green, brown and black. If the packing bag needs steam cooking after printing, you should choose the ink rollers of moderate temperature or high temperature, in this situation, the temperature must be set in higher degree accordingly while using.

Model	Outer dia. (mm)	Height (mm)
Low temperature series 120-150°C □NO:935□	Φ36	16
	Φ36	32
	Φ36	40
Moderate temperature series 135-165°C □NO:932□	Φ36	16
	Φ36	32
	Φ36	40
High temperature series 150-175°C □NO:930□	Φ36	16
	Φ36	32
	Φ36	40

9, Adjustment of coding position

Considering length of bag opening, the user can locate the coding position by adjusting coding position switch.

10, Adjustment of line number for printing label

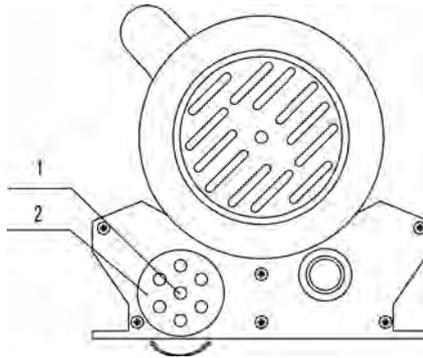
Arrange types within range stipulated in **IV Performance Features** in this manual, then use the provided silicone bar to fix the types in required axial position.

11, Operation instruction for FRQ-980 aerating sealer:

(1) Insert the power line of the jet pump into the socket at the bottom of the

machine, then turn the aerating switch on.

- (2) Aerating sealer is suitable for packing bulking food and other easy broken goods, which adopts swirl jet pump to aerate filtrated air into packing bag, as the sealing belt is clamped tightly by the aerating opening, you should stop for a while when put the packing bag onto the aerating opening, once the aerated air reaches the required degree, it can be conveyed into the heating area to be sealed.
- (3) The adjustment of aerated air volume:
Loosen the fastening screw (1) of the aerating opening center at the back of the jet pump, rotate the air intake cover (2) by an angle to adjust the size of the air intake opening, and tightly screw the tight bolt (see Diagram 9).



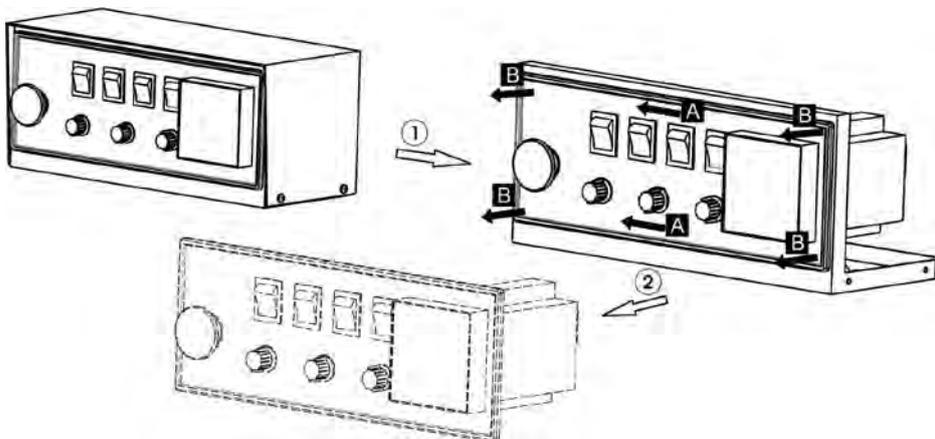
1.fastening screw 2. air intake cover

Diagram 9

- (4) There is an air-filtering room at the lower side of the jet pump, where placed a sponge for filtrating; you should clean or change the sponge if it becomes dirty. Please note that the cover of the filter room should be tightly sealed.

12, The unloading method of the control panel:

- (1) Remove the guard cover of the electric control box.
- (2) Push the panel along the arrow A (the electric control box is not connected with the control panel now.), then remove the panel along the arrow B.



13, Stop operation

In order to prolong the using life-span of the sealer, please remember, before

shutting down the machine, you should return the temperature regulating knob to 0 position first, then turn on the fan, at this time, the temperature on the indicator begins to fall and the sealing belt should still be in state of running. About several minutes' later, when the temperature drops below 100°C, only can you turn off the fan and main power supply.

VII Circuit Diagram

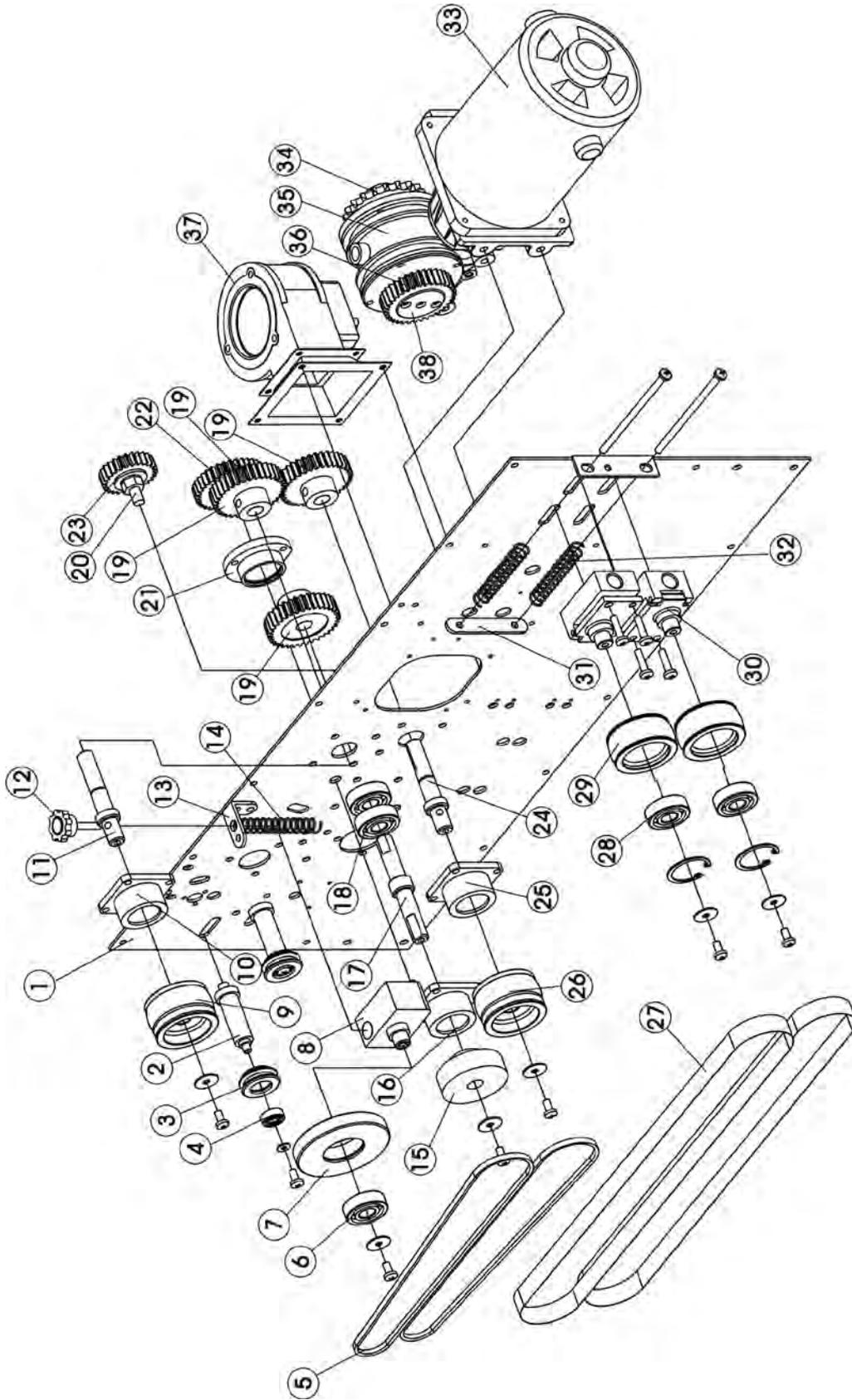


Diagram 11

Item	Part number	Quantity	Description	Remark
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1	105211	1	bottom board	
2	101015	2	guiding wheel shaft	
3	105023	2	guiding wheel	
4		2	bearing	
5	910801	2	guiding belt	
6		2	bearing	
7	101018	1	embossing wheel	
8	101017.1	1	bearing seat	
9	105022	1	driving wheel	
10	101026	1	bearing seat of driving wheel	
11	101027	1	driving wheel shaft	
12		1	adjusting knob for embossing wheel	
13		1	hood support	
14		1	adjusting spring for embossing wheel	
15	101036	1	silicone wheel assembly	
16	105041	1	silicone wheel seat	
17	201010	1	silicone wheel shaft	
18		2	bearing	
19	105030	3	connecting gear	
20				
21	105013	1	bearing seat for connecting shaft	
22	105030	1	connecting gear	
23	105011	1	medium gear	
24	101027	1	driving wheel shaft	
25	101017	1	bearing seat of driving wheel	
26	105022	1	driving wheel	
27	910903	2	sealing belt	
28		2	bearing	
29	101024	2	driven wheel	
30	101023.4	1	adjusting seat for driven wheel (upper & bottom)	
31	101062	1	connection piece	
32		2	spring of driven wheel seat	
33	921003	1	motor□220V 50W□	
34	A10503	1	sprocket	
35		1	flange assembly	
36	105050	1	output gear	
37	921102-2	1	fan assembly (CY063)	
38				
39				
40				

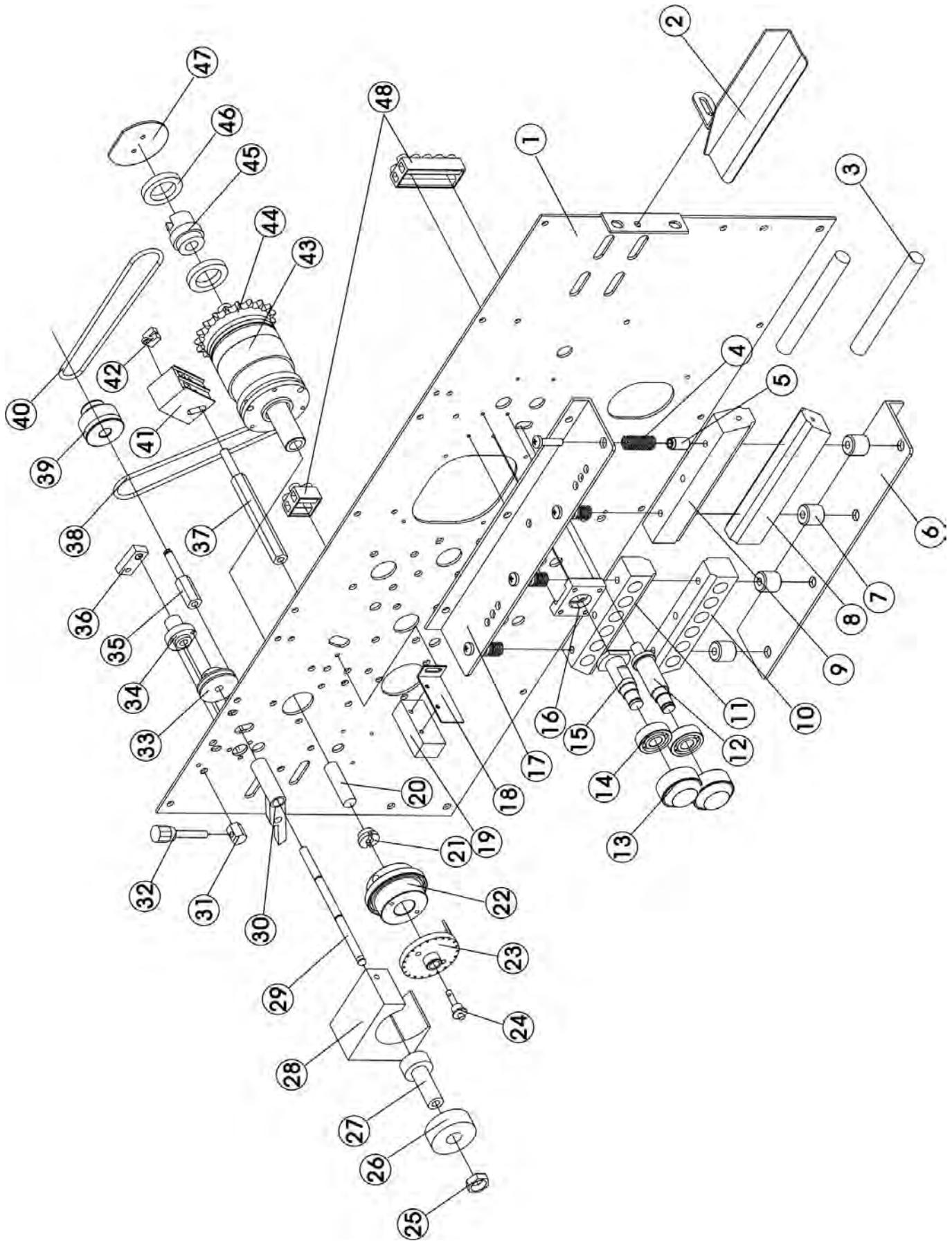


Diagram 12

Item	Part number	Quantity	Description	Remark
1	105003	1	bottom board	
2	101035	1	feed opening	
3	921303	2	heating pipe (heat for sealing)	
4		4	spring of copper block	
5		4	guide sleeve of upper holding plate	
6	105005	1	bottom holding plate	
7	101050	4	heating block support	
8	930301	1	upper heating block	
9	930301	1	bottom heating block	
10	930302	1	upper cooling block	
11	930302	1	bottom cooling block	
12	105008	1	bottom pinch roller shaft	
13	105009	2	pinch roller	
14		2	bearing 24×8	
15	105007	1	upper pinch roller shaft	
16	105017	1	slide carriage	
17	105005	1	upper holding plate	
18		1	support for photoelectric sensor	
19	940705	1	photoelectric sensor	
20	921301	1	heating pipe Φ10 110V 40W	
21	201015	1	end cover of printing wheel shaft	
22	201013	1	printing wheel seat assembly	
23	201014	1	printing wheel cover	
24	201016	1	holding latch for printing wheel	
25		1	straining ring for ink roller sleeve	
26	911005	1	ink roller□Φ35×32□	
27	201008	1	ink roller sleeve	
28	201002	1	heating block of ink roller	
29	105036	1	ink roller shaft	
30	201007	1	swing pole of ink roller	
31		1	adjusting post for ink roller's swing pole	
32		1	adjusting knob for ink roller's swing pole	
33	105039	1	pulley of ink roller shaft	
34	201006	1	seat for ink roller swing pole shaft	
35	105035	1	middle pulley shaft	
36		1	pull rod	
37	105031	1	support for brush	
38		1	small adhesive tape Φ30×60	

39	105032	1	middle pulley	
40		1	small adhesive tape $\Phi 30 \times 50$	
41	920423	1	carbon brush holder	
Item	Part number	Quantity	Description	Remark
42	940702	1	groove sensor	
43	A10501	1	electromagnetic clutch assembly	
44	105021	1	driven sprocket	
45	201004	1	slip-ring core	
46	201003	2	copper slip ring	
47	201024	1	anti-dazzling screen	
48	20415-32	3	connecting terminal	

IX Breakdown Drawing of Conveyor

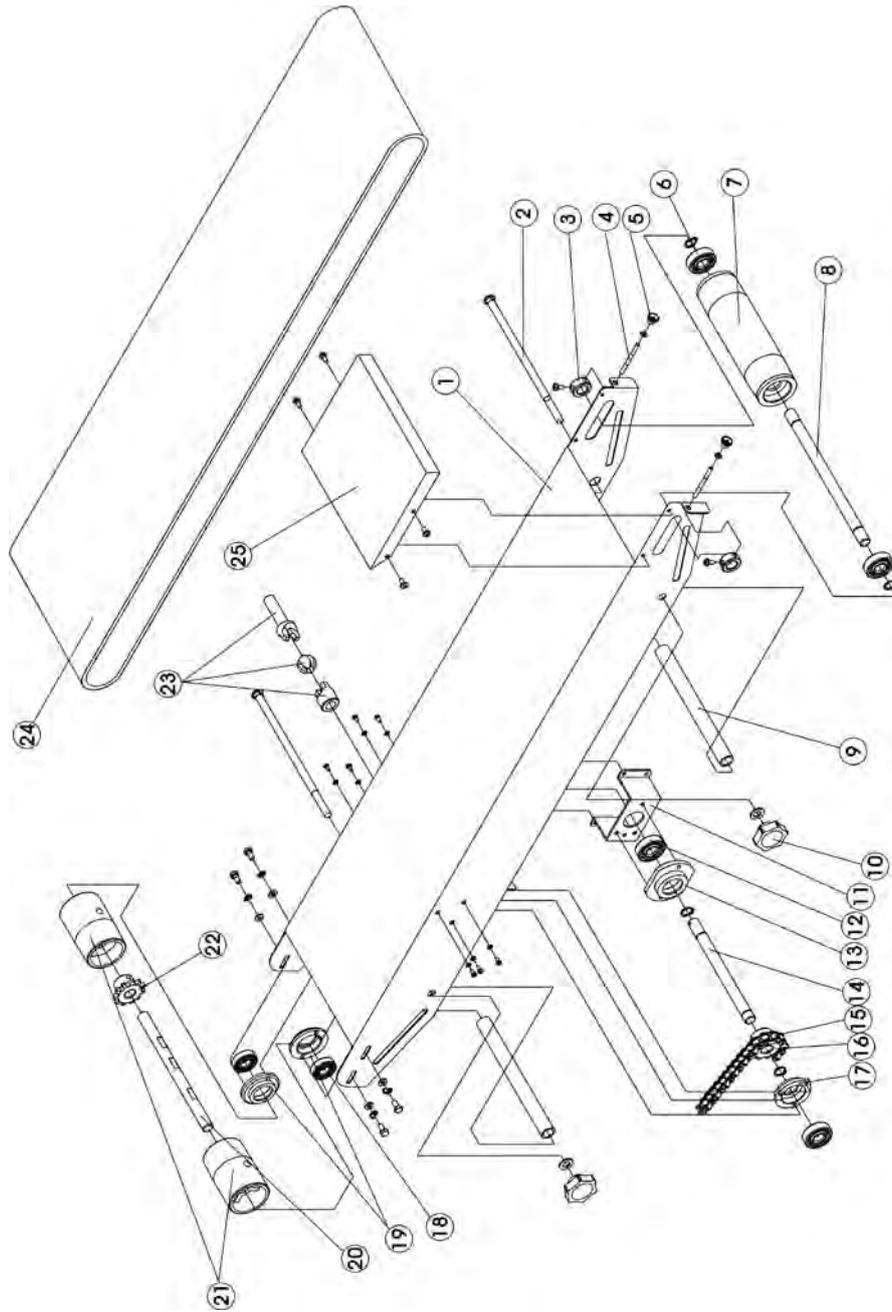


Diagram 13

Code	Part number	Quantity	Description	Remark
1	910701	1	Conveying table (980)	
2	GB12-1988	2	oval head square neck bolt	M8x160
3	101007	2	FR-770 conveyor adjusting block	
4		2	stud bolt	M5x55
5	930113	2	Transfer table adjusting knob	M5
6	935602-01-1	2	Bearing 6002N	Φ32xΦ12x10
7	101005	1	FR-770 rear roller	
8	101008	1	FR-770 conveying table rear shaft	
9	101049	2	Spacer FR-770	
10	9301109-11	2	674 knob	M8

11	105014	1	Central shaft plate FRM-980	
12	935602-01-1	3	Bearing 6201-Z	Φ38xΦ12x10
13	101003	1	Conveying table central shaft support I	
14	105015	1	Conveying table central shaft	
15	101010	1	Conveying table sprocket wheel	
16	930603-16	1	Driving chain	
17	101013	1	Conveying table central shaft support II	
18	935602-01-1	3	Bearing 6201-2Z	Φ38xΦ12x10
19	101003	2	Front roller shaft bearing support (two holes)	
20	101002	1	Front roller shaft	Φ12x197
21	101012	2	Front roller	
22	101010	1	Conveying table sprocket wheel	
23	105037	1	980 Gimbal assembly	
24	910706	1	Conveyor 1800x135	1800x135x2
25	101006	1	FR-770 working table	

X Breakdown Drawing of Aeration Assembly

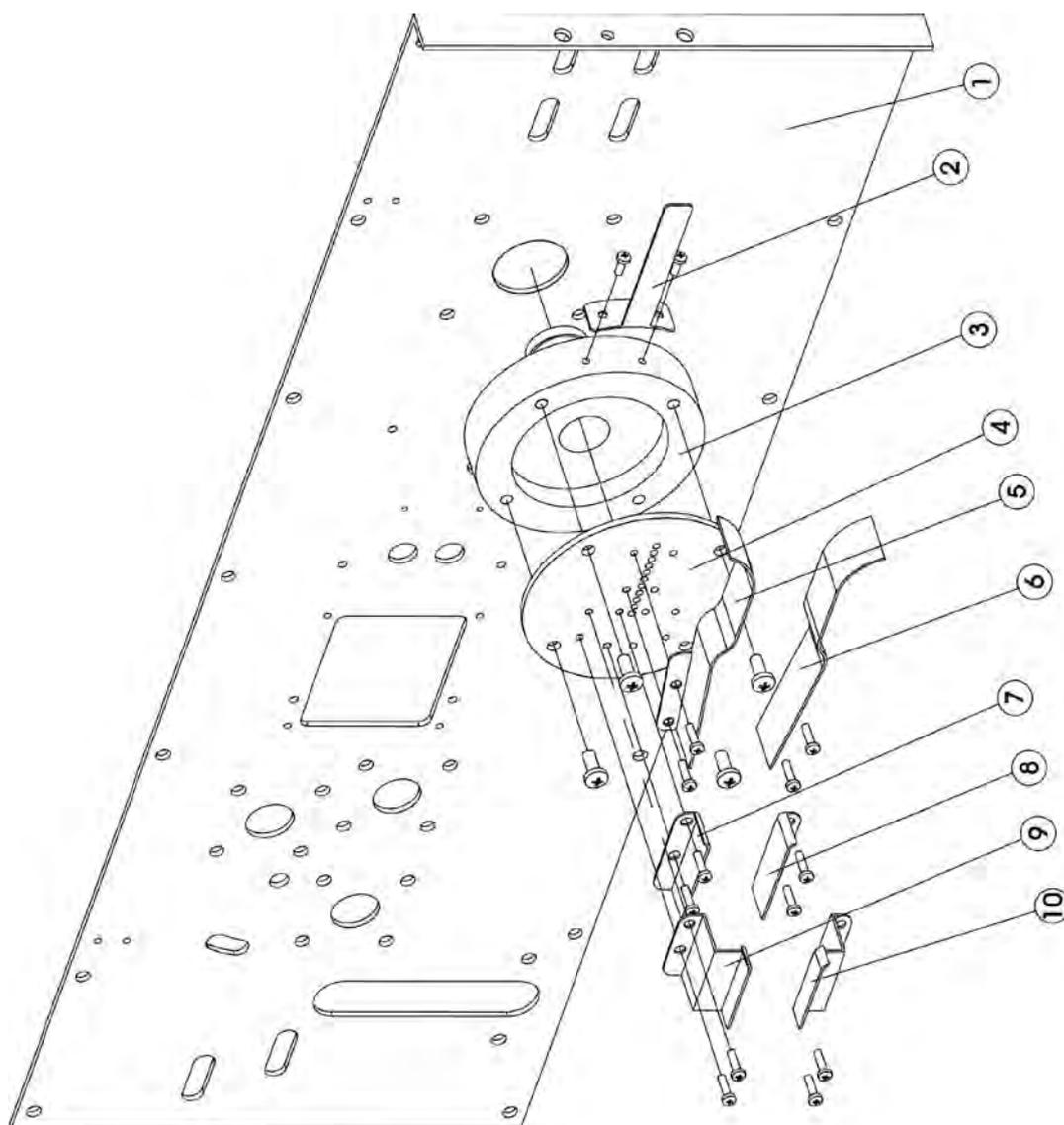


Diagram 14

Code	Part number	Quantity	Description	Remark
1	103103	1	Bottom plate	
2	103013	1	Receptive plate	
3	103005	1	Charging connector support	
4	103006	1	Charging connector cover	
5	103008	1	Upper directing plate	
6	103008	1	Lower directing plate	
7	103008	1	Upper splint	
8	103008	1	Lower splint	
9	103008	1	Upper guide plate	
10	103008	1	Lower guide plate	

XI Troubleshooting

Problem	Reason	Solution
Sealing belt is off-tracking.	Driving wheel shaft is not parallel to driven wheel shaft.	Adjust two adjusting screws on driven wheel seat.
Sealing belt is easy to broke.	<ol style="list-style-type: none"> 1. Too much tension on sealing belt. 2. Sealing belt is off tracking. 3. Crease on sealing belt. 4. Adhesive film or other dirt attached to sealing belt surface. 5. Sealing belt is easy to burn. 	<ol style="list-style-type: none"> 1. Adjust the vertical adjusting screw on driven wheel seat, so as to make sealing belt less loose. 2. (see the point above) . 3. No crease on sealing belt. 4. Clean its surface in time. 5. Clearance between two heating blocks is too small or temperature is too high.
Embossing is not clear	<ol style="list-style-type: none"> 1. Embossing wheel is worn out. 2. Pressing spring on embossing wheel is not tightened to enough degree. 	<ol style="list-style-type: none"> 1. Replace embossing wheel 2. Adjust the embossing wheel's tightening spring
There is resistance when the sealing belt is conveying.	The clearance between heating blocks or cooling blocks is too small, the friction is too much.	Adjust the clearance between sealing belts properly, which should be about thickness of packing bag in one layer, so that not only ensure the strong sealing and clear printing, but not make the two ends of sealing part extend too long.
There is block or fold phenomenon when the packing bag is conveyed to pressing wheel or embossing wheel.	Too much pressure caused by pressing wheel or embossing wheel.	<ol style="list-style-type: none"> 1. Adjust the pressing wheel or embossing wheel to proper pressure, so as to make the clearance between two sealing belts be about thickness of packing bag in one layer. So that not only ensure the strong sealing and clear printing, but not make the two ends of sealing part extend too long. 2. Adjust limiting screw after adjusting clearance.
Conveyor belt is off-tracking.	The driving roller shaft is not parallel to driven roller shaft.	Adjust two adjusting screws of driven roller shaft (rear shaft) on conveyor.
Conveyor belt and sealing belt don't move synchronously.	Too small tension on conveyor belt.	<ol style="list-style-type: none"> 1. Tighten the chain of driving roller shaft(front shaft) and middle shaft properly. 2. Tighten the conveyor belt properly.
Ink roller printing mechanism doesn't work.	<ol style="list-style-type: none"> 1. The power supply is not connected. 2. Main control PC board is not inserted in place or poor contact. 3. Main control PC board is damaged. 	<ol style="list-style-type: none"> 1. Check whether the power line is connected and indicating light is on. 2. Check whether plug for PC board is inserted in place or wire end falls off. 3. Check and replace PC board.
Printing wheel doesn't work.	<ol style="list-style-type: none"> 1. Start sensor's touching head is blocked. 2. Start sensor is not clean, whose 	<ol style="list-style-type: none"> 1. Clean the obstacle. 2. Clean the dust on sensor's surface. 3. Check and replace PC board.

	<p>hole is blocked by dust.</p> <p>3. Main control PC board has been damaged</p> <p>4. Round pin on clutch falls off or is damaged.</p> <p>5. Electromagnetic clutch's wire is broken.</p>	<p>4. Repair round pin.</p> <p>5. Repair clutch.</p>
Printing wheel doesn't stop.	<p>1. Sensor (groove sensor) is damaged, moved, or its surface covered by dust.</p> <p>2. Main control PC board is damaged.</p>	<p>1. Replace or correct position of sensor or clean its surface.</p> <p>2. Check PC board and replace it.</p>
No heat for ink roller heating block or printing.	<p>1. Heating pipe or wire is damaged</p> <p>2. Heating PC board is damaged</p> <p>3. The potentiometer on knob is damaged</p> <p>4. Carbon brush seat is not in place.</p> <p>5. Carbon brush is damaged</p>	<p>1. Replace heating pipe.</p> <p>2. Replace PC board.</p> <p>3. Replace potentiometer.</p> <p>4. Adjust and tighten nut then.</p> <p>5. Replace.</p>
The temperature of heating block for ink roller printing mechanism is out of control.	The relay for temperature control PC board is damaged.	Check and replace temperature control PC board.
The printing position is out of control.	<p>1. Tightening screw on printing wheel is loose.</p> <p>2. Main control PC board is damaged.</p>	<p>1. Tighten the screw.</p> <p>2. Check and replace PC board.</p>
Control panel loosen or drop.	strenuous vibration during transportation.	Push the panel to its original location.

XII Spare Parts List

Item	Part number	Specification	Unit	Quantity
1	201008	ink roller sleeve	pc	1
2	201020	straining ring for ink roller sleeve	pc	1
3	910152	silicone ring	pc	1
4	910153	silicone hold-down strip	pc	2
5	910353-50	O type ring (Φ50X3.1)	pc	4
6	910353-80	O type ring (Φ80X3.1)	pc	4
7	910805	guiding belt (598X4.5X3.5)	pc	4
8	910903-2	sealing belt (810X15)	pc	20
9	911005-01	ink roller (black, Φ35X16)	pc	2
10	920205	power line	pc	1
11	920452-02	carbon brush (for ink roller, 6X8X20)	pc	2
12	921301	heating pipe for ink roller (40W/110V,Φ10X30)	pc	2
13	930101	cross screwdriver	pc	1
14	930102	slotted screwdriver	pc	1
15	930121	2mm inner hexagon spanner	pc	1
16	930122	3mm inner hexagon spanner	pc	1
17	930124	5mm inner hexagon spanner	pc	1
18	930132	8-10 solid wrench	pc	1
19	930133	12-14 solid wrench	pc	1
20	930309-21	English types	case	1
21	930403	nipper	pc	1
22	940801-06	groove nipper	pc	1
23	940801-01	main control PCB assembly (printing mechanism)	set	1
24	940801-11	speed-regulating PCB assembly (printing mechanism)	set	1
25	940801-02	temperature-regulating PCB assembly (printing mechanism)	set	1

Warranty Card

1. According to the national regulates, we promise three guarantees to users since the day the products sold. The details are as following:
 - 1.1 The users should read the manual in details and operate according to the manual.
 - 1.2 Warranty time: one year for machine parts, six months for electrical components.
 - 1.3 During the warranty time, we don't guarantee the problems if the user operate and maintain the machine without the instruction or remove the parts privately. We do reparation for the machine, while the buyer pays for the repairing.
2. please check the model type of the machine according to the invoice and the warranty card after purchasing. If the model type doesn't unify with each other please contact us promptly and we will correct it.
3. please keep safely the purchasing invoice and the warranty card. There is no replacement of these two if lost. Private modification is invalid. Please present the invoice and the warranty card when repairing.

User				
User's detailed address				
Area code and telephone		Area code and fax		
Post code		Contact		
Distributor				
Model type		Machine No.		
Purchasing date		Invoice No.		
Maintenance record	Date	Problems	Maintenance condition	Repairer

Note: The warranty card is valid only when sealed by the distributor.